

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.12**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000468**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 16-Nov-2007**Location:** Changxing Island, Shanghai, China

Submittals(New / Total): **CWR's:** 0 / 27 **HSR's:** 0 / 10 **NCR's:** 0 / 12

Item	Title	Detail
1	Major component movement	<p>OBG Production:</p> <p>Fitting and welding T-Stiffeners to OBG Bottom Plates, Fitting and welding floorbeams, Drilling and cutting T-Stiffeners.</p> <p>77m Tower Mock-up: Welding stiffener plates between diaphragms.</p> <p>89m Tower Mock-up: Diaphragms being shipped to Shanghai for machining, Welding Longitudinal Stiffener to Skin Plate.</p> <p>114m Tower Mock-up: Weld Longitudinal Stiffener to interior splice plates.</p> <p>Deck Plate Mock-up: Performing visual inspection.</p>
2	Meetings attended	<p>Caltrans met with ABF and ZPMC at 1300 to discuss issues and the schedule for the next three days.</p> <p>See Daily Journal by James Cochran for details.</p>
3	Other important observations	<p>ABF UT Level II Warren Buehler and Caltrans Level III David McClary performed UT testing of the Deck Plate Mock-up in the areas the floorbeams will be fit. The testing was performed using the 1st leg area amplitude sizing technique. Calibration was performed on the old set of calibration blocks, as ABF intends to perform surface grinding of the blocks prior to development testing. A 0.6mm correction factor was used based upon statistical data from development already performed by ABF. The areas near the diaphragm at the splice end appear to have between 2.6 to 2.8mm of lack of penetration. However based upon a nominal thickness measured at 12.5mm for the ribs, the welds appear to have greater than 80%</p>

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penetration.

4	Quality Assurance Inspectors per shift	5 Day Shift (Acuna, Dixon, Hernandez, McClendon, Viars)
		3 Swing Shift (Berger, Franco, Smith)
		2 Graveyard Shift (Hasler, Jobes)

Inspected By:	McClary,David
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Quality Assurance Inspector

Reviewed By:	Lowry,Patrick
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QA Reviewer
